

DA4J104K

Silicon epitaxial planar type

For high speed switching circuits

■ Features

- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

■ Basic Part Number

Double DA2J104 (Parallel)

■ Packaging

Embossed type (Thermo-compression sealing): 3000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	80	V
Maximum peak reverse voltage	V_{RM}	80	V
Forward current *1	I_F	200	mA
Peak forward current	I_{FM}	600	mA
Non-repetitive peak forward surge current *2	I_{FSM}	1	A
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

Note) *1: $I_F = 200$ mA achieved with a printed circuit board.

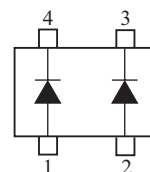
*2: $1 t = 1$ s

■ Package

- Code
SMini4-F3-B
- Pin Name
1: Anode-1 3: Cathode-2
2: Anode-2 4: Cathode-1

■ Marking Symbol: C1

■ Internal Connection



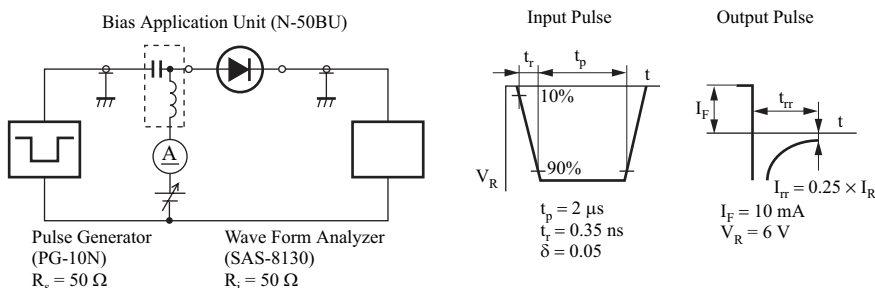
■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

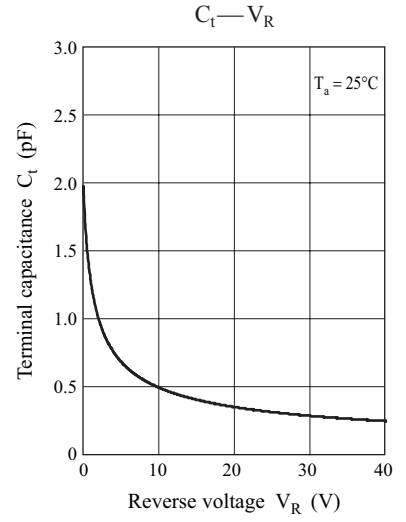
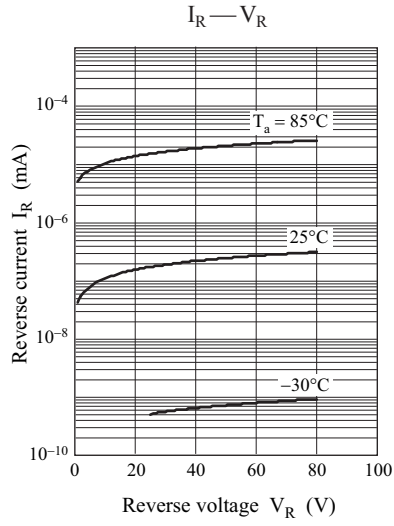
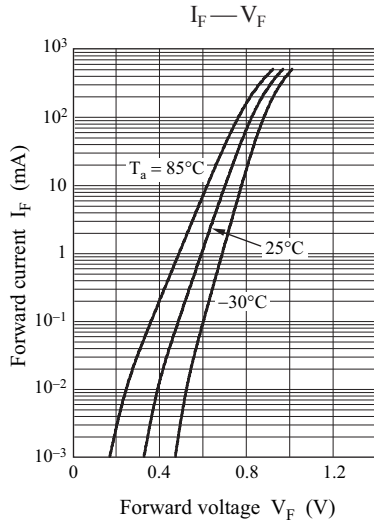
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 200$ mA		0.90	1.10	V
Reverse voltage	V_R	$I_R = 100$ μA	80			V
Reverse current	I_{R1}	$V_R = 15$ V			50	nA
	I_{R2}	$V_R = 75$ V			500	
Terminal capacitance	C_t	$V_R = 0$ V, $f = 1$ MHz			4	pF
Reverse recovery time *	t_{rr}	$I_F = 10$ mA, $V_R = 6$ V, $I_{Tr} = 0.25 \times I_R$			10	ns

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. Absolute frequency of input and output is 100 MHz

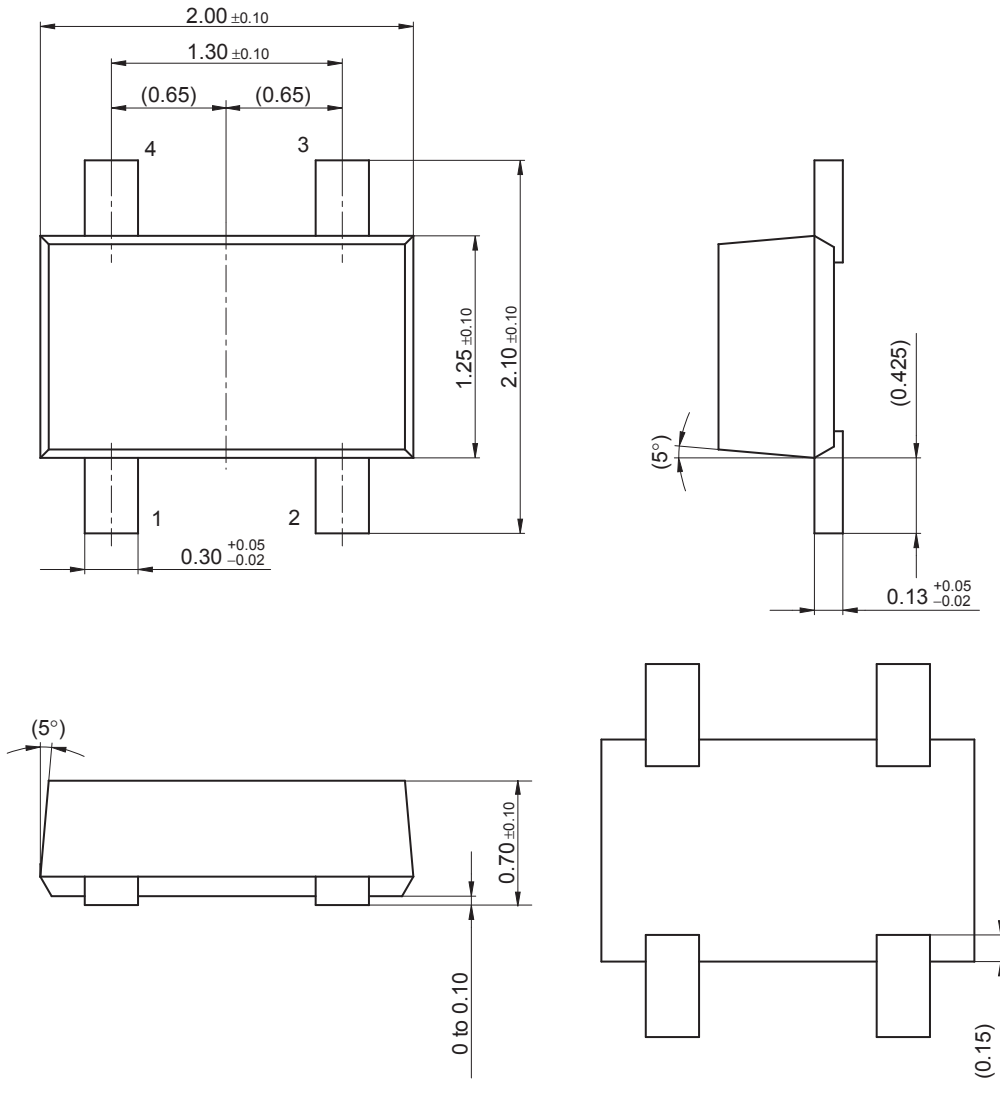
3. *: t_{rr} measurement circuit





SMini4-F3-B

Unit: mm



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